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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. UTILITY Attorney Docket No. **PATENT APPLICATION**

Bhownik 12-146-1/075903-033 Bhowmik, Siddhartha First Inventor Barrier Layer for Interconnect Structures of a

TRANSMITTAL

Semiconductor Wafer and Method for Depositing the ET ILL GOZILL TIS

	Express Mail Label No. Et 14195466 US
APPLICATION ELEMENTS	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application
See MPEP chapter 600 concerning utility patent application contents.	Washington, DC 20231
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	7. CD-ROM or CD-R in duplicate, large table or
Applicant claims small entity status.	Computer Program (<i>Appendix</i>)
2. See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
3. Specification [Total Pages 14]	a. Computer Readable Form (CRF)
 Descriptive title of the invention 	b. Specification Sequence Listing on:
 Cross Reference to Related Applications Statement Regarding Fed sponsored R & D 	i. CD-ROM or CD-R (2 copies); or
- Reference to sequence listing, a table,	□
or a computer program listing appendix - Background of the Invention	ii. 📙 paper
- Brief Summary of the Invention	c Statements verifying identity of above copies
Brief Description of the Drawings (if filed) Detailed Description	ACCOMPANYING APPLICATION PARTS
- Detailed Description - Claim(s)	9. Assignment Papers (cover sheet & document(s))
- Abstract of the Disclosure	10. 37 CFR 3.73(b) Statement Power of
4. Prawing(s) (35 U.S.C. 113) [Total Sheets 6]	(when there is an assignee) Attorney
· · · · · · · · · · · · · · · · · · ·	Information Disalances Conjugately
5. Oath or Declaration [Total Pages 4]	12. Statement (IDS)/PTO-1449 Citations
a. Newly executed (original or copy)	13. Preliminary Amendment
b. Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)	14. Return Receipt Postcard (MPEP 503)
i. DELETION OF INVENTOR(S)	(Snould be specifically itemized)
Signed statement attached deleting inventor(s)	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	16. Nonpublication Request under 35 U.S.C. 122
	(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
6. Application Data Sheet. See 37 CFR 1.76	17. Other: Certificate of Mailing
18. If a CONTINUING APPLICATION, check appropriate box, and supp	
or in an Application Data Sheet under 37 CFR 1.76:	
Continuation Divisional Continuation-in-part (CIP)	of prior application No.:/
Prior application information: Examiner	
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the Box 5b, is considered a part of the disclosure of the accompanying continuation can only be relied upon when a particular base by the provider to the second secon	
The incorporation can only be relied upon when a portion has been inadvert	ently omitted from the submitted application parts.
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Name (Print/Type) Robert L. Wolter, Esquire	Registration No. (Attorney/Agent) 36,972
Signature Poly World	Registration No. (Attorney/Agent) 36,972

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9/28/2001

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FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$) 750.00

Complete if Known				
Application Number	Not Assigned			
Filing Date	Simultaneously Herewith			
First Named Inventor	Bhowmik, Siddhartha			
Examiner Name	Not Assigned			
Group Art Unit	Not Assigned			
Attorney Docket No.	Bhowmik 12-146-1/075903.033			

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)			
The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	3. ADDITIONAL FEES			
Deposit	Large Entity Small Entity Fee Fee Fee Fee Fee Code (\$) Code (\$) Fee Description Fee Paid			
Account Number 501735	405 400 005 05			
Deposit Account	Ourcharge - late mining see of Oath			
Name Agere Systems, Inc.	127 50 227 25 Surcharge - late provisional filing fee or cover sheet			
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17	139 130 139 130 Non-English specification			
Applicant claims small entity status.	147 2,520 147 2,520 For filling a request for ex parte reexamination			
See 37 CFR 1.27 2. Payment Enclosed:	112 920* 112 920* Requesting publication of SIR prior to Examiner action			
Check Credit card Money Order Other	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action			
FEE CALCULATION	115 110 215 55 Extension for reply within first month			
1 BASIC FILING FEE	116 380 216 190 Extension for reply within second month			
Large Entity Small Entity	117 870 217 435 Extension for reply within third month			
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	118 1,360 218 680 Extension for reply within fourth month			
101 690 201 345 Utility filing fee 710.00	128 1,850 228 925 Extension for reply within fifth month			
106 310 206 155 Design filing fee	119 300 219 150 Notice of Appeal			
107 480 207 240 Plant filing fee	120 300 220 150 Filing a brief in support of an appeal			
108 690 208 345 Reissue filing fee	121 260 221 130 Request for oral hearing			
114 150 214 75 Provisional filing fee	138 1,510 138 1,510 Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 710.00	140 110 240 55 Petition to revive - unavoidable 141 1 210 241 605 Petition to revive - unintentional			
2. EXTRA CLAIM FEES	141 1,210 241 605 Petition to revive - unintentional 142 1,210 242 605 Utility issue fee (or reissue)			
Fee from	143 430 243 215 Design issue fee			
Extra Claims below Fee Paid Total Claims 16 -20** = 0 × 0 = 0.00	144 580 244 290 Plant issue fee			
Independent Claims $3 - 3^{**} = 0 \times 0 = 0.00$	122 130 122 130 Petitions to the Commissioner			
Multiple Dependent =	123 50 123 50 Petitions related to provisional applications			
**or number previously paid, if greater; For Reissues, see below	126 240 126 240 Submission of Information Disclosure Stmt			
Large Entity Small Entity Fee Fee Fee Fee Fee Description	581 40 581 40 Recording each patent assignment per			
Code (\$) Code (\$)	property (times number of properties) 40.00			
103 18 203 9 Claims in excess of 20 102 78 202 39 Independent claims in excess of 3	146 690 246 345 Filing a submission after final rejection (37 CFR § 1.129(a))			
104 260 204 130 Multiple dependent claim, if not paid	149 690 249 345 For each additional invention to be			
109 78 209 39 ** Reissue independent claims over original patent	examined (37 CFR § 1.129(b)) 179 690 279 345 Request for Continued Examination (RCE)			
110 18 210 9 ** Reissue claims in excess of 20	169 900 169 900 Request for expedited examination			
and over original patent	of a design application Other fee (specify)			
SUBTOTAL (2) (\$) 0.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00			
SUBMITTED BY	Complete (# contract)			
Name (Printi Type) Robert L. Wolter Esquire	Registration No. (Attorney/Agent) 36,972 Complete (if applicable) Telephone (407) 926-7706			
Name (PrintiType) Robert L. Wolter, Esquire Signature	(Attorney/Agent) 36,972 Telephone (407) 926-7706			

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VIA EXPRESS MAIL ET 14993406 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
Applicant:		Agere Systems, Inc.)
Application	No.:	Submitted Herewith)) '
Filing Date):	Submitted Herewith)) `
S' W	TRUCTU AFER A	ER LAYER FOR INTERCONNECT JRES OF A SEMICONDUCTOR ND METHOD FOR DEPOSITING RIER LAYER	1)))))

Commissioner of Patents Box PATENT APPLICATION Washington, D.C. 20231

Sir:

EXPRESS MAIL # ET 14993406 US

Date of Deposit: September 28, 2001

I hereby certify that the attached Utility Patent Application was deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner of Patents, Box PATENT APPLICATION, Washington, D.C. 20231.

Gwendolyn C. Ramsey